

The present invention relates to a linoleum-based planar structure, a process for the preparation of such a planar structure as well as the use of the planar structure, for example, as a floor covering. The linoleum-based planar structure according to the present invention is particularly characterized by containing over the whole cross section flakes comprising an organic polymeric material, the flakes being compatible with the linoleum base composition and having a particle size in the range of 0.5 to 30 mm and a thickness in the range of 1.0 to 400 μm . Such a planar structure according to the present invention displays a smooth plain surface without the need of any grinding step. Moreover, the incorporation of such flakes enables a broad variety of designing and patterning, particularly the development of a distinctively, coarsely patterned „spotting structure“.